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FIRST NAMED INVENTOR APPLICATION NO. FILING DATE ATTORNEY DOCKET NO.  $\mathbb{E}_{x} = \mathbb{E}^{2} \times \mathbb{E}^{2}$ **EXAMINER** MM91.2611 STANLEY R. MOORS. ESG. JEMKERS AND WILLHRIST, P.C. ART UNIT PAPER NUMBER SZOD FORMTAIN FLAGE 1445 ROSS AVE. Emilias Ix 752np DATE MAILED: 06/11/04

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner of Patents and Trademarks** 

Office Action Summary    CROWLEY ET AL.   Examiner		Application No.	Applicant(s)	
Examiner	Office Action Summary		Applicant(s)	
Scott Geyer   2813		09/687,495	CROWLEY ET AL.	
Preiod for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of the map be assisted under the proximation of the communication of the communication of the proximation of the map to the communication of the proximation of the proximation of the communication of the proximation of the proximation of the communication of the proximation of the proximation of the communication of the proximation of the proximation of the communication of the proximation of the pr		Examiner	Art Unit	
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2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-18 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are objected to do as is/are objected to as is/are objected to by the Examiner.  7) Claim(s) is/are objected to by the Examiner.  4pplication Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are objected to by the Examiner.  11) The proposed drawing correction filed on is: a) approved b) disapproved.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. § 119  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1 Certified copies of the priority documents have been received in Application No.  3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17 2(a))  *See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).	THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1 136 (a) In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U S C § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1 704(b)			
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Application/Control Number: 09/687,495 Page 2

Art Unit: 2813

## **DETAILED ACTION**

## Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-7 and 13-18, drawn to a semiconductor package, classified in class 257, subclass 676.
- II. Claims 8-12, drawn to the method of increasing a moisture path in a semiconductor package, classified in class 438, subclass 127.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the packaged device consisting of a chip paddle and semiconductor chip could be bonded using a solder instead of an adhesive as described in method claim 10.

- 2. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- **3.** Because these inventions are distinct for the reasons given above and the search required for Group II is not required for Group I, restriction for examination purposes as indicated is proper.

Art Unit: 2813

**4.** Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Geyer whose telephone number is (703)306-5866. The examiner can normally be reached on weekdays, between 9:00am - 5:30pm. The examiner may also be reached via e-mail: <a href="mailto:scott.geyer@uspto.gov">scott.geyer@uspto.gov</a>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles L. Bowers can be reached on (703)308-2417. The fax phone numbers for the organization where this application or proceeding is assigned are (703)305-0142 for regular communications and (703)308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

sbg June 7, 2001 ... Parelly D. Property.